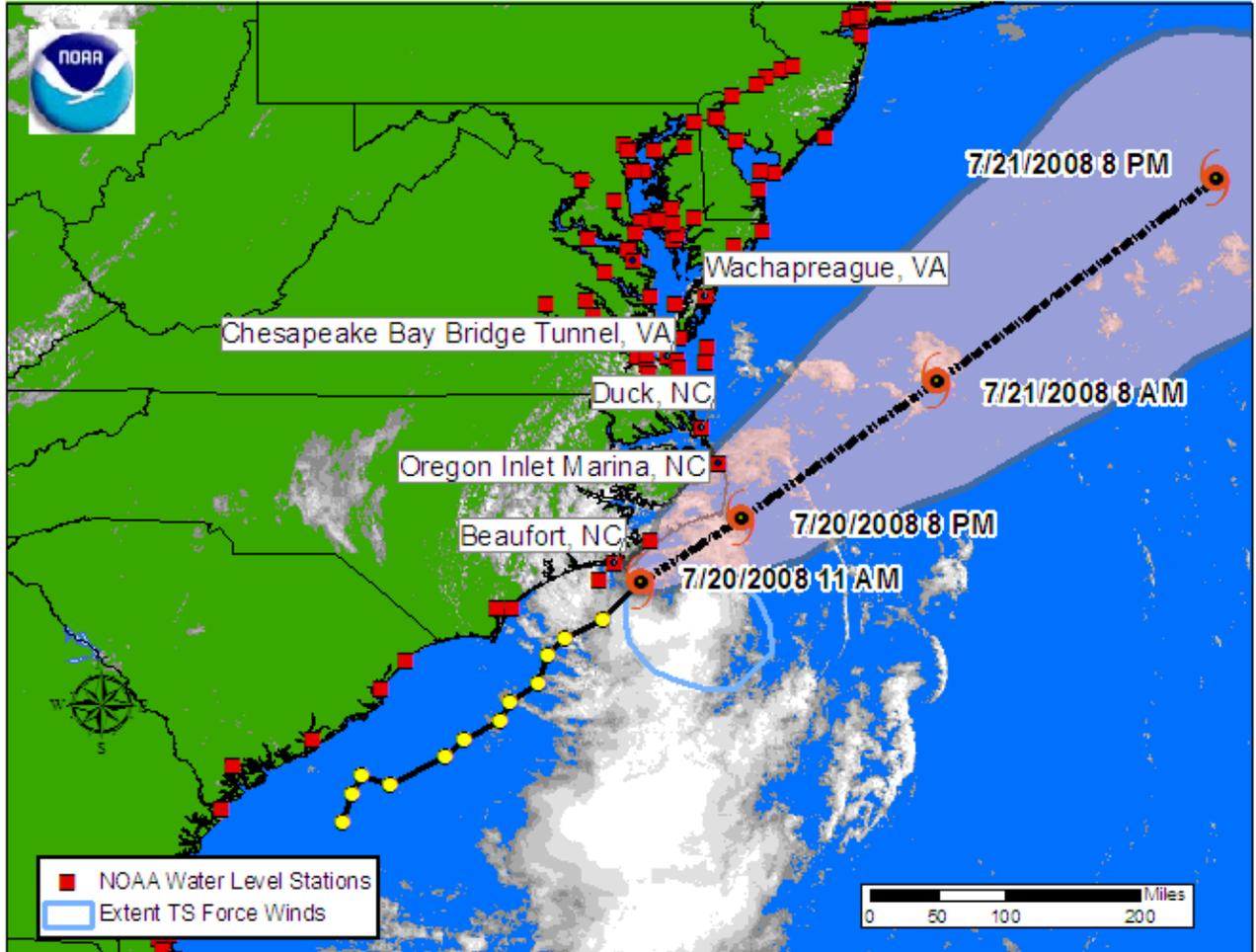




Tropical Storm CRISTOBAL QuickLook
Posted: 14:30 EDT 07/20/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 07/20/2008 14:30 EDT, water levels from North Carolina to Virginia remain slightly above or at predicted levels. Barometric pressure is falling from North Carolina to south Virginia.

The next QuickLook will be issued at 12:00 EDT on July 21, 2008 unless there is a significant change in storm conditions.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to **Mean Lower Low Water** are:

Beaufort, NC: Next predicted high tide is 2.9 ft (0.9 m) on 07/21/2008 at 10:42 EDT.

Oregon Inlet, NC: Next predicted high tide is 1.0 ft (0.3 m) on 07/21/2008 at 010:36 EDT.

Duck, NC: Next predicted high tide is 3.7 ft (1.1 m) on 07/20/2008 at 21:48 EDT.

CBBT, VA: Next predicted high tide is 2.8 ft (0.9m) on 07/20/2008 at 22:34 EDT.

Wachapreague, Va: Next predicted high tide is 3.9 ft (1.2 m) on 07/20/2008 at 23:08 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: TB, KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN

**TROPICAL STORM CRISTOBAL INTERMEDIATE ADVISORY NUMBER 7A
NWS TPC/NATIONAL HURRICANE CENTER MIAMI FL
200 PM EDT SUN JUL 20 2008**

CRISTOBAL WEAKENS A LITTLE

A TROPICAL STORM WARNING REMAINS IN EFFECT FROM NORTH OF SURF CITY TO THE NORTH CAROLINA/VIRGINIA BORDER...INCLUDING PAMLICO SOUND.

AT 200 PM EDT THE CENTER OF TROPICAL STORM CRISTOBAL WAS LOCATED NEAR EAST OF CAPE LOOKOUT NORTH CAROLINA AND ABOUT 50 MILES SOUTH-SOUTHWEST OF CAPE HATTERAS NORTH CAROLINA.

CRISTOBAL IS MOVING TOWARD THE NORTHEAST NEAR 7 MPH AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THIS TRACK...THE STORM IS FORECAST TO MOVE ALONG THE COAST OF NORTH CAROLINA TODAY AND TONIGHT.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 45 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT COUPLE OF DAYS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 115 MILES FROM THE CENTER.

CRISTOBAL IS EXPECTED TO PRODUCE ADDITIONAL RAINFALL ACCUMULATIONS OF 1 TO 2 INCHES ALONG THE IMMEDIATE COAST OF NORTHEAST NORTH CAROLINA DURING THE NEXT 24 TO 36 HOURS. ISOLATED MAXIMUM STORM TOTAL AMOUNTS OF 4 INCHES ARE POSSIBLE.

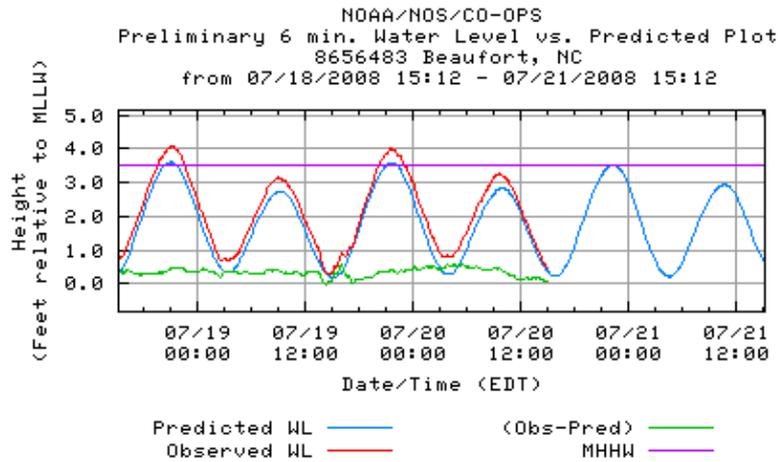
COASTAL STORM SURGE FLOODING OF 2 TO 3 FEET ABOVE NORMAL TIDE LEVELS CAN BE EXPECTED IN AREAS OF ONSHORE WINDS.

FORECASTER BLAKE/KNABB

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

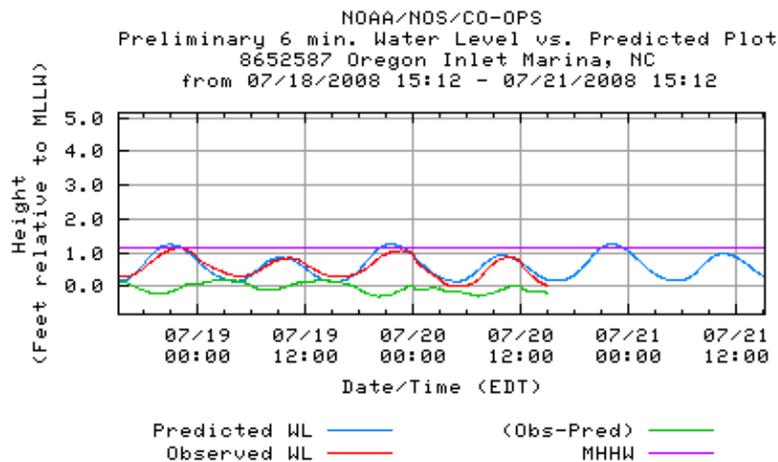
Jump to: [Beaufort - Water Level](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Winds](#), [Oregon Inlet Marina - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#), [Wachapreague - Barometric](#),

Beaufort, NC - Station Map [Return to List](#)



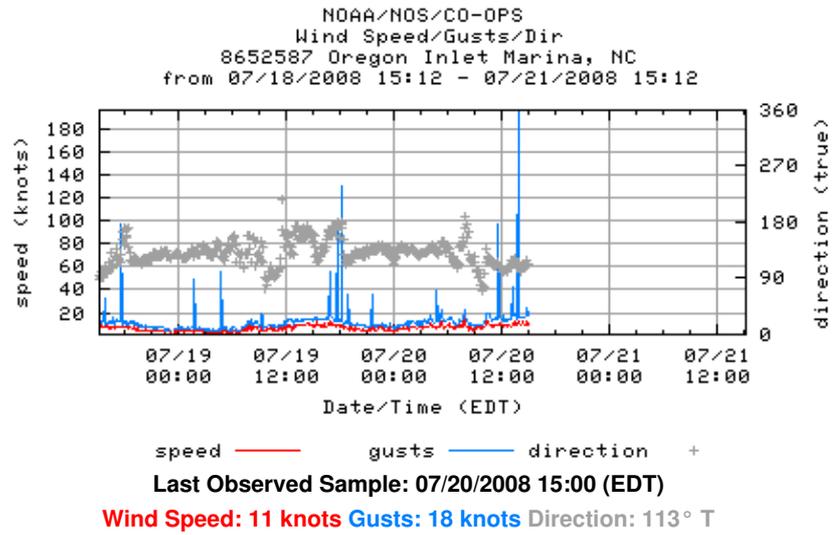
Last Observed Sample: 07/20/2008 14:54 (EDT)
 Relative to **MLLW**: **Observed: 0.46 ft. Predicted: 0.40 ft. Residual: 0.06 ft.**
 Historical Maximum Water Level: 09/16/1999, 2.74 ft. above **MHHW**

Oregon Inlet Marina, NC - Station Map [Return to List](#)

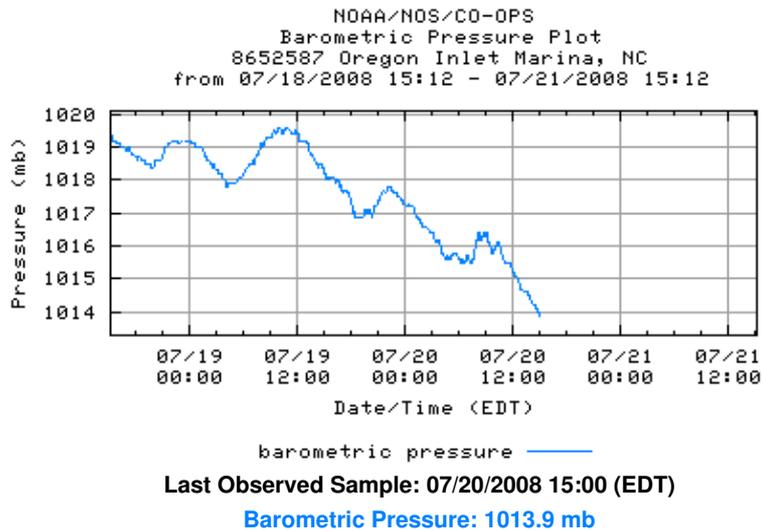


Last Observed Sample: 07/20/2008 15:00 (EDT)
 Relative to **MLLW**: **Observed: 0.02 ft. Predicted: 0.20 ft. Residual: -0.18 ft.**
 Historical Maximum Water Level: 09/16/1999, 4.49 ft. above **MHHW**

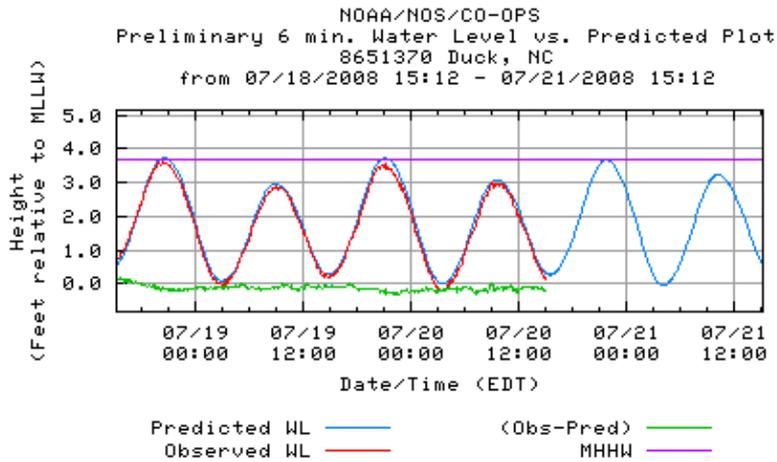
Oregon Inlet Marina, NC - Station Map [Return to List](#)



Oregon Inlet Marina, NC - Station Map [Return to List](#)



Duck, NC - Station Map [Return to List](#)

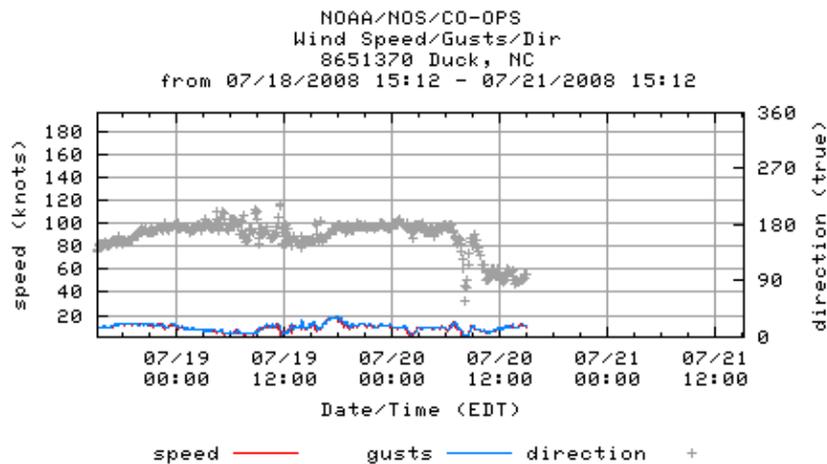


Last Observed Sample: 07/20/2008 15:00 (EDT)

Relative to **MLLW**: **Observed: 0.15 ft.** **Predicted: 0.33 ft.** **Residual: -0.18 ft.**

Historical Maximum Water Level: 08/30/1999, 3.23 ft. above **MHHW**

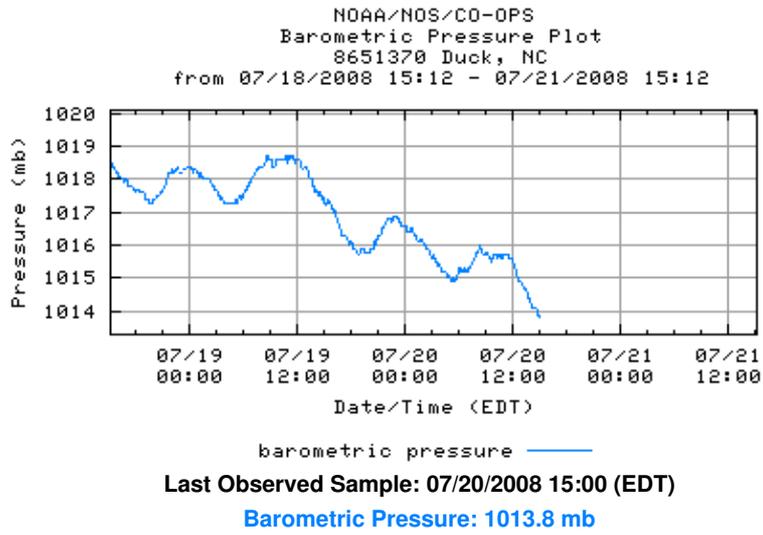
Duck, NC - Station Map [Return to List](#)



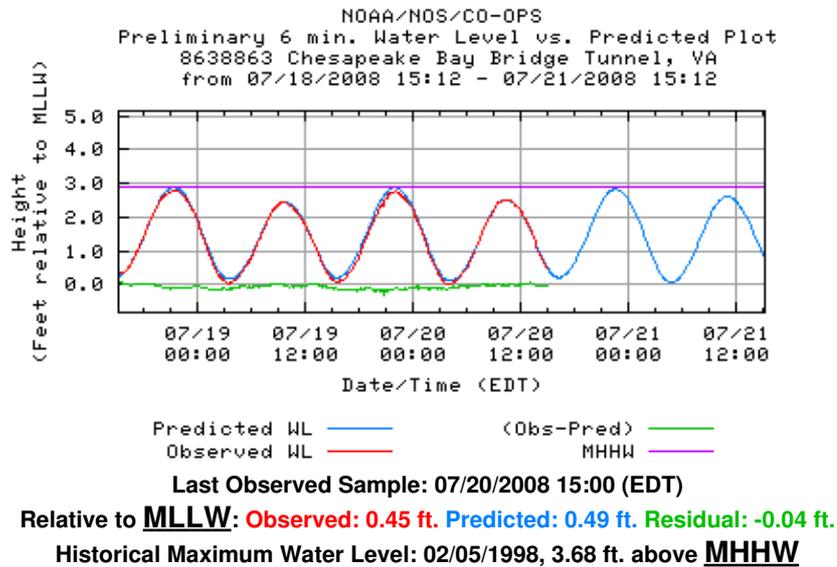
Last Observed Sample: 07/20/2008 15:00 (EDT)

Wind Speed: 10 knots **Gusts: 11 knots** **Direction: 102° T**

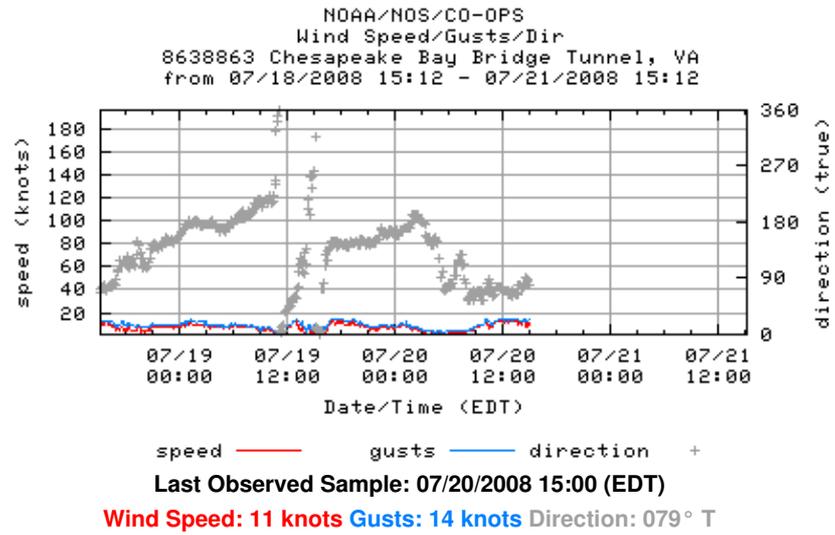
Duck, NC - Station Map [Return to List](#)



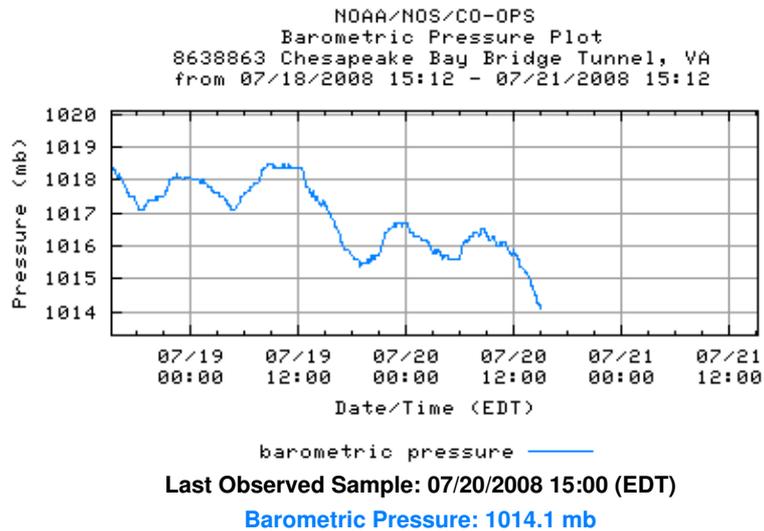
Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)



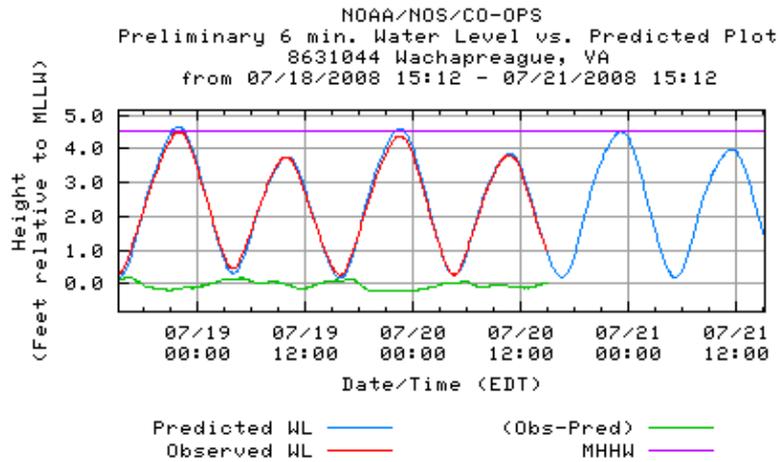
Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)



Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)

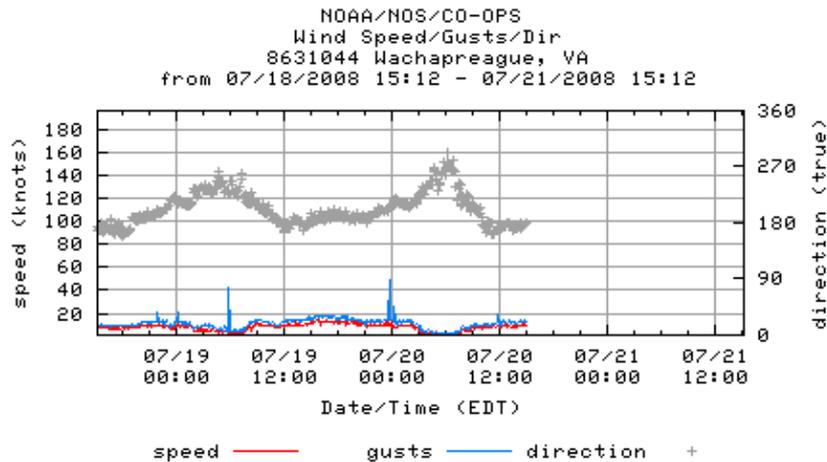


Wachapreague, VA - Station Map [Return to List](#)



Last Observed Sample: 07/20/2008 14:54 (EDT)
 Relative to **MLLW**: **Observed: 0.99 ft. Predicted: 0.96 ft. Residual: 0.03 ft.**
 Historical Maximum Water Level: 02/05/1998, 4.41 ft. above **MHHW**

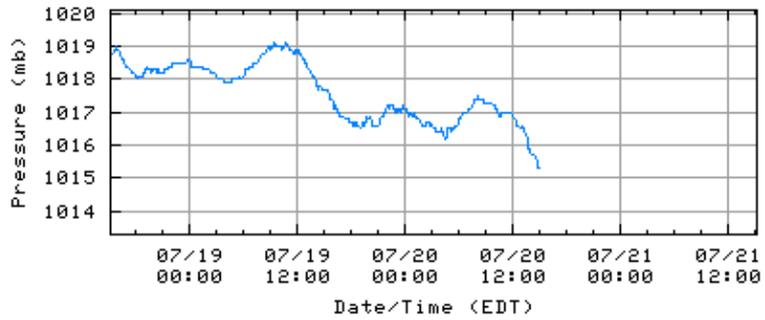
Wachapreague, VA - Station Map [Return to List](#)



Last Observed Sample: 07/20/2008 14:54 (EDT)
Wind Speed: 10 knots Gusts: 12 knots Direction: 179° T

Wachapreague, VA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8631044 Wachapreague, VA
from 07/18/2008 15:12 - 07/21/2008 15:12



barometric pressure —

Last Observed Sample: 07/20/2008 14:54 (EDT)

Barometric Pressure: 1015.3 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce